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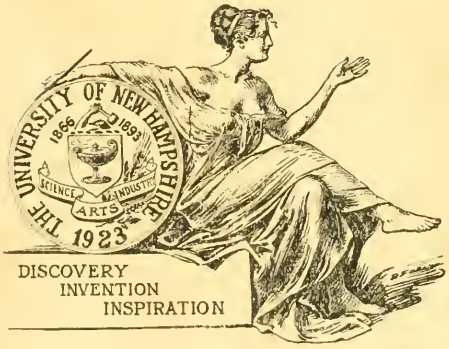

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RESULTS OF SEED TESTS

Made July 1, 1925 to June 30, 1926

Four hundred and seven samples of seeds have been tested for purity and germination this year. Three hundred and sixty-nine of these have been completed for the State Department of Agriculture on samples collected more or less indiscriminately about the State for the purpose of verifying their guarantees for purity and germination, and of making sure that all seed sold in New Hampshire carries such guarantees and other information on the container as are prescribed by law. The results of this official work are shown in this bulletin. Samples submitted for private tests are not made public.

Biological response, or reaction, to natural, or artificial environment changes is subject to considerable variation and the germination of seeds is no exception. No two samples of the same seed will necessarily germinate exactly alike either in a natural, well adapted soil or under the best artificial conditions that science can devise for the laboratory. Consequently, much duplication and great care in sampling and counting is necessary to arrive at a satisfactory average figure. Under the limitations of time and space necessarily imposed on any laboratory procedure, it seems advisable to allow considerable variation between any given set of findings at any given time and place and those found elsewhere at another time. Our inspection and investigation work assumes that a given sample may manifest the following variations from the guarantee which it carries for germination and still comply with the state law and support the good intentions of the merchant who attached the guarantees. This table is based on the research work of the Association of Official Seed Analysts of North America and is recommended in their rules.

Germination in Per Cent.	Allowable Variation
90 and over	6
80 or over, but less than 90	7
70 or over, but less than 80	8
60 or over, but less than 70	9
Less than 60	10

Purity testing work, in which the sample is separated into pure seeds, other crop seeds, weed seeds, and inert material, also involves some variation due to normal and unavoidable small errors tending always to prevent any two samples or separations from being exactly alike. The variations in this case, however, are much less than are to be expected in germination and are provided for by a formula. This purity tolerance formula, so-called, considers the sample as made up always of two parts, (1) the element, or component part, being considered and (2) the rest of the sample. The tolerance, then, in per cent. allowed for each component part shall be: two tenths of one per cent. plus 20 per cent. of the lesser part. This formula to be applied to the analysis that is guaranteed.

If a sample is guaranteed to germinate 90 per cent. and to be composed of 90 per cent. pure seed, it can average in our laboratory tests, according to this interpretation, between 84 and 96 per cent. germination and between 87.82 and 92.18 per cent. of pure seed and still be "satisfactory." If we have found the sample better than the highest figure for variation allowed, it is marked "above" in this bulletin, if lower than the lowest figure for variation allowed, the actual figure is reported.

From the summary table at the end it will be observed that large proportion of the seeds collected this year is satisfactory in both purity and germination, a small number is below, and a still smaller group in each case is above the variations allowed. In actual figures

88.9 per cent. of all samples are satisfactory or better in purity, and 87.3 per cent. are satisfactory or better in germination.

A few samples were collected and tested as early as March this year and practically all samples were completed and reported on special blanks to the respective dealers by the first of July. It is our aim to do the testing as fast as possible after the seed is on the market, and those merchants who receive their supplies of seed as early as March will confer a favor by notifying the State Department of Agriculture in order that the seed may be sampled and the tests completed early.

SEED EXAMINATION, 1926.

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6019	Alfalfa (28497, *Hardy Northwestern*) ..... Holbrook Grocery Co., Woodsville	S	99	S	90
6055	Alfalfa (*Certified Canadian Grimm*) H. G. Holton Co., Lancaster	S	99.30	A	88
5750	Alfalfa (*Grimm*) ..... Manchester Hardware Co., Manchester	S	99.75	S	92
5749	Alfalfa (2824) ..... McQuesten & Lewis, Manchester	S	99.14	S	94
5816	Alfalfa (27237, *Pedigreed Grimm*) Merrimack Farmers' Exchange, Exeter	A	99	94	—
5868	Alfalfa (27288, *Grimm*) ..... Merrimack Farmers' Exchange, Concord	A	99	S	94
5754	Alfalfa (*Pan American*) ..... J. J. Moreau & Son, Manchester	S	99.50	S	90
5802	Alfalfa (*Eureka*) ..... F. W. Neal, Dover	S	99.50	S	90
6011	Alfalfa (*Grimm, Certified*) ..... Pike & Gale, Littleton	S	99.50	S	90
6012	Alfalfa (*Pan American*) ..... Pike & Gale Littleton	S	99.50	A	88
5922	Alfalfa (*Pan American*) ..... S. A. Schurman & Son, Portsmouth	S	99.50	S	90
5735	Alfalfa (27245-3-4, *Grimm*) ..... J. H. Seavey, Dover	S	99.04	S	95
5661	Alfalfa, (*Grimm*) ..... John B. Varick Co., Manchester	S	99.50	S	93
6074	Alsike (*Pine Tree*) ..... Annis Grain & Lumber Co., Londonderry	A	97.50	S	93
5707	Alsike (*Imperial*) ..... Ayers & Jenkins, Rochester	A	97.60	A	86
5992	Alsike (*Pan American*) ..... Chase Grain Co., Plymouth	S	97.50	76	90
5740	Alsike (*Imperial*) ..... Freeman Corson, Rochester	S	97.60	A	86
5692	Alsike (*Pan American*) ..... Eugene C. Foss Co., Rochester	S	97.50	S	90
5830	Alsike ..... Hilliard & Kimball, Exeter	94.66	97	S	86
5711	Alsike ..... Jenness Hardware Co., Dover	95.02	97.50	S	90
5753	Alsike (*Ace*) ..... Manchester Hardware Co., Manchester	S	95.55	S	85
5745	Alsike (2161, *Pine Tree*) ..... McQuesten & Lewis, Manchester	S	97.65	S	94
5636	Alsike (2164) ..... Merrimack Farmers' Exchange, Concord	S	96.35	S	92
5814	Alsike (2164) ..... Merrimack Farmers' Exchange, Exeter	S	96.35	S	92
5901	Alsike (21697, *Ace*) ..... J. H. Morrill, Laconia	S	96.90	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5670	Alsike (*Pan American*) ..... Nashua Grain Co., Nashua	S	97.50	S	90
5788	Alsike ..... Pelletier Bros., Farmington	S	97	S	90
6010	Alsike (*Pan American*) ..... Pike & Gale, Littleton	S	97	A	90
5857	Alsike (*Pan American*) ..... O. A. Plummer, Tilton	95.27	97.50	S	90
5859	Alsike (3562) ..... O. A. Plummer, Tilton	S	97	S	94
5858	Alsike ..... Ned C. Rogers, Tilton	S	98.50	S	90
5937	Alsike (*Pan American*) ..... S. A. Schurman & Son, Portsmouth	A	97	A	90
5733	Alsike (21220, *Ace*) ..... J. H. Seavey, Dover	S	95	S	92
5848	Alsike ..... Shepard Grocery Co., Franklin	S	97.80	S	93
6006	Alsike (21279, *Pine Tree*) ..... Frank Smith Co., Colebrook	S	98.65	S	93
5727	Alsike (3256) ..... Somersworth Grain Co., Somersworth	S	94.11	S	97.50
5640	Alsike (*Pine Tree*, 2184) ..... John B. Varick Co., Manchester	S	98	S	93
5820	Alsike (2127) ..... W. A. Young, Exeter	S	97.80	S	93
5913	Barley (*Oderbrucker*) ..... Belknap County Farmers' Exchange, Laconia	S	97.60	S	92
5702	Barley (6-row *State*) ..... Eugene C. Foss Co., Rochester	S	98	S	90
6067	Barley (2-row *Montana*) ..... J. H. Griffin, Newmarket	S	97	S	96
6022	Barley (6-row *Monadnock*) ..... Holbrook Grocery Co., Woodsville	S	98.16	S	97
6051	Barley (6-row) ..... H. G. Holton Co., Lancaster	S	98	A	90
5714	Barley (6-row, 7176) ..... Jenness Hardware Co., Dover	S	99.05	S	97
5970	Barley (6-row, 71315) ..... Meredith Grain Co., Meredith	S	99	S	96
5866	Barley (6-row, 7174) ..... Merrimack Farmers' Exchange, Concord	S	99.65	S	92
5771	Barley (6-row *State*) ..... J. J. Moreau & Son, Manchester	S	98	S	90
5910	Barley (6-row, 7118) ..... J. H. Morrill, Laconia	S	98.20	91.5	—
5811	Barley (2-row) ..... F. W. Neal, Dover	S	98	S	92
6050	Barley (6-row, 7182) ..... D. A. Noyes & Son, Colebrook	S	98.86	S	95
5931	Barley (2-row) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
5712	Barley (2-row, 7169) ..... J. H. Seavey, Dover	S	99.18	S	95

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5847	Barley (6-row) ..... Shepard Grocery Co., Franklin	S	99	S	97
6003	Barley (6-row, 7183) ..... Frank Smith Co., Lancaster	S	99.82	S	95
5882	Barley (6-row, 7176) ..... Thompson & Hoague, Concord	S	99.65	S	92
5646	Barley (6-row, 61001) ..... John B. Varick Co., Manchester	S	99.50	S	95
5658	Barley (6-row) ..... John B. Varick Co., Manchester	A	97.50	S	98
5838	Barley (6-row, 712) ..... W. A. Young, Exeter	S	98.70	81	94
5836	Bluegrass (*Kentucky*) ..... Hilliard & Kimball, Exeter	S	82.50	S	80
5716	Bluegrass (*Kentucky*) ..... Jenness Hardware Co., Dover	67.69	85.00	71	85
5759	Bluegrass (*Kentucky*, 032594) .. Manchester Hardware Co., Manchester	S	75.30	S	65
5870	Bluegrass (*Kentucky*, 032571) ... Thompson & Hoague, Concord	S	80.50	S	61
5942	Buckwheat ..... S. A. Dow & Son, North Hampton	S	98	S	90
5761	Buckwheat (*Japanese*, 7650) .... Manchester Hardware Co., Manchester	S	99.83	S	94
5757	Buckwheat ..... J. J. Moreau & Son, Manchester	S	97	78	90
5917	Buckwheat (4390) ..... J. H. Morrill, Laconia	S	99	S	95
5924	Buckwheat (*Japanese*) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
5912	Canada Field Peas ..... Belknap County Farmers' Exchange, Laconia	S	99	S	99
6021	Canada Field Peas (85104) .... Holbrook Grocery Company, Woodsville	S	99.50	S	90
5968	Canada Field Peas ..... Meredith Grain Co., Meredith	S	98	S	90
5869	Canada Field Peas (08559) ..... Merrimack Farmers' Exchange, Concord	S	99.50	A	86
5758	Canada Field Peas ..... J. J. Moreau & Son, Manchester	S	98	S	90
5807	Canada Field Peas ..... F. W. Neal, Dover	S	98	S	95
6034	Canada Field Peas (85100) ..... D. A. Noyes & Son, Colebrook	S	99.50	S	90
5927	Canada Field Peas (*White*) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90
5939	Canada Field Peas (*Fancy*) ..... S. A. Schurman & Son, Portsmouth	S	98	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5734	Canada Field Peas (*Globe*, 08563-1) J. H. Seavey, Dover	S	99.50	A	85
5878	Canada Field Peas (08563) ..... Thompson & Hoague, Concord	S	99.50	A	90
5695	Corn (*Extra Early Dighton*) ..... Ayers & Jenkins, Rochester	99+	—	69.5	86
5700	Corn (*Bantam Evergreen*) ..... Ayers & Jenkins, Rochester	99+	—	S	82
5704	Corn (*Black Mexican*) ..... Ayers & Jenkins, Rochester	99+	—	S	80
6084	Corn (*Leaming*, 5040) ..... G. F. Clement & Son, Lisbon	S	95	S	95
6089	Corn (*Sanford White Flint*, 5260) G. F. Clement & Son, Lisbon	S	95	S	91
6105	Corn (*Red Cob Fodder*) ..... J. Cushing Company, Milford	S	99.50	A	90
5762	Corn (*Leaming*, 3613) ..... Fosher & Co., Manchester	S	98	A	90
5764	Corn (*C. P. Ensilage*, 1660) ..... Fosher & Co., Manchester	S	98	S	90
5699	Corn (*Excelsior Ensilage*) Eugene C. Foss Co., Rochester	S	98	S	90
5842	Corn (*Sanford*) ..... Hilliard & Kimball, Exeter	S	98	S	94
6033	Corn (*Early Michigan*) H. G. Holton & Co., Lancaster	S	98	S	90
6102	Corn (*Golden Nugget*, 1664) ... R. R. Kendall, Charlestown	S	98	S	90
5969	Corn (*Imp. Leaming*) ..... Meredith Grain Co., Meredith	99+	—	88	98.40
5772	Corn (*Sweepstakes*) ..... J. J. Moreau & Son, Manchester	S	98	84	94
5805	Corn (*Pedigree Leaming*) ..... F. W. Neal, Dover	S	98	S	90
5806	Corn (*Excelsior*) ..... F. W. Neal, Dover	S	98	A	90
5810	Corn (*Pennsylvania Sweepstakes*). F. W. Neal, Dover	S	98	S	90
5786	Corn (*Red Cob Fodder*, 72361) ... Pelletier Bros., Farmington	S	99.50	S	94
6008	Corn (*Pride of North*) Pike & Gale, Littleton	S	98	S	90
5730	Corn (*Leaming*, 72338) ..... J. H. Seavey, Dover	S	99.50	S	90
5793	Corn (*Leaming Fodder*, 72338) .. Smith & Emerson, Farmington	S	99.50	81	90
6018	Corn (*Pine Tree Ensilage*, 72-31) Frank Smith Co., Lancaster	S	99.50	S	91
5696	Mangles (*Mammoth Long Red*) .. Ayers & Jenkins, Rohester	—	—	S	74
5881	Mangles (*Mammoth Prize Long Red*) ..... Thompson & Hoague, Concord	—	—	S	76
5776	Mangles (*Narbiton Giant*) ..... John B. Varick Co., Manchester	S	98	S	76
5926	Millet (*Golden*) ..... S. A. Schurman & Son, Portsmouth	A	97	S	90
5986	Millet (*Hungarian*, 1614) A. F. Burtt & Co., Plymouth	S	99.24	S	87

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5737	Millet (*Hungarian*, 1614) ..... Freeman Corson, Rochester	S	99.24	S	87
5925	Millet (*Hungarian*, 4732) ..... R. L. Costello, Portsmouth	96.17	98.30	S	91
5949	Millett (*Hungarian*) ..... S. A. Dow & Son, North Hampton	A	98	S	90
5691	Millet (*Hungarian*) Eugene C. Foss Co., Rochester	S	98	68	90
5827	Millet (*Hungarian*) ..... Hilliard & Kimball, Exeter	96.22	98.36	41.5	91
5729	Millet (*Hungarian*) ..... Jenness Hardware Co., Dover	S	99.60	S	84
5766	Millet (*Hungarian*, 4740) ..... Manchester Hardware Co., Manchester	S	97.10	S	85
5965	Millet (*Hungarian*) ..... Meredith Grain Co., Meredith	S	99	78	90
5896	Millet (*Hungarian*, 4748) ..... J. H. Morrill, Laconia	S	99	S	82
5673	Millet (*Hungarian, Fancy*) ..... Nashua Grain Co., Nashua	S	98	S	90
5801	Millet (*Hungarian*) ..... F. W. Neal, Dover	S	98	S	90
5984	Millet (*Hungarian*) ..... Palmer & Simpson, Laconia	S	99	S	82
5789	Millet (*Hungarian*, 4743) ..... Pelletier Bros., Farmington	S	98.50	S	84
6013	Millet (*Hungarian*) ..... Pike & Gale, Littleton	S	99	S	88
5855	Millet (*Hungarian, Fancy*) ..... O. A. Plummer, Tilton	S	98	S	90
5782	Millet (*Hungarian, Fancy*) ..... Prescott Grain Store, Greenville	S	98	S	90
5915	Millet (*Hungarian*, 9512) ..... Rand & Dearborn, Laconia	S	99.21	40	94.75
5956	Millet (*Hungarian, Fancy*) ..... C. N. Roberts, Meredith	87.39	98	62	90
5890	Millet (*Hungarian*) ..... Ned C. Rogers, Tilton	A	98	72	90
6000	Millet (*Hungarian*, 4748) ..... Frank Smith Co., Lancaster	S	98.72	S	89
5854	Millet (*Hungarian*) ..... C. P. Stevens Co., Franklin	96.41	98	S	85
5874	Millet (*Hungarian*, 4731) ..... Thompson & Hoague, Concord	S	96.66	S	77.50
5654	Millet (*Hungarian*, 4732) ..... John B. Varick Co., Manchester	S	98.36	S	91
5655	Millet (*Hungarian*, 4743) ..... John B. Varick Co., Manchester	S	98.50	S	84
5988	Millet (*Japanese*, 1624) ..... A. F. Burtt & Co., Plymouth	95.56	97.18	S	84.50
5993	Millet (*Japanese, Fancy*) ..... Chase Grain Co., Plymouth	S	98	S	90
5935	Millet (*Japanese*) ..... R. L. Costello, Portsmouth	S	95.62	S	91
5945	Millet (*Japanese*) ..... S. A. Dow & Son, North Hampton	S	98	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6014	Millet (*Japanese*) ..... Edson & Kinne, Littleton	95.27	97	64	85
5690	Millet (*Japanese*) ..... Eugene C. Foss Co., Rochester	S	98	S	90
5694	Millet (*Japanese, Fancy*) ..... Eugene C. Foss Co., Rochester	94.43	97	73	90
5641	Millet (*Japanese, Fancy*) ..... Hill Hardware & Paint Co., Nashua	S	98	78	88
5832	Millet (*Japanese*, 4437) ..... Hilliard & Kimball, Exeter	S	98.90	S	93
5719	Millet (*Japanese*) ..... Jenness Hardware Co., Dover	S	99.16	A	85
5967	Millet (*Japanese*) ..... Meredith Grain Co., Meredith	S	96	57	85
5825	Millet (*Japanese*, 4444) ..... Merrimack Farmers' Exchange, Exeter	S	98.71	S	95
5899	Millet (*Japanese*, 044513) ..... J. H. Morrill, Laconia	S	96.13	S	80
5975	Millet (*Japanese*, 3498) ..... Muzzey & Hopkins, Lakeport	A	94.93	S	93
5671	Millet (*Japanese, Fancy*) ..... Nashua Grain Co., Nashua	92.90	97	S	90
5803	Millet (*Japanese*) ..... F. W. Neal, Dover	94.74	97	S	90
5985	Millet (*Japanese*, 4426) ..... Palmer & Simpson, Laconia	S	92.80	S	74
5790	Millet (*Japanese*, 4442) ..... Pelletier Bros., Farmington	S	96.68	S	85
6009	Millet (*Japanese*) ..... Pike & Gale, Littleton	S	97	S	80
5853	Millet (*Japanese, Fancy*) ..... O. A. Plummer, Tilton	94.39	96	75	88
5894	Millet (*Japanese*, 3498) ..... O. A. Plummer, Tilton	S	94.93	85	93
5900	Millet (*Japanese*) ..... Rand & Dearborn, Laconia	S	95	S	93
5891	Millet (*Japanese*) ..... Ned C. Rogers, Tilton	S	98	S	88
5863	Millet (*Japanese*, 44-17) ..... C. P. Stevens Co., Franklin	S	97.59	S	83
5877	Millet (*Japanese*, 4444) ..... Thompson & Hoague, Concord	S	98.71	S	95
5659	Millet (*Japanese*, 4442) ..... John B. Varick Co., Manchester	S	96.04	76	90
5660	Millet (*Japanese*, 4435) ..... John B. Varick Co., Manchester	S	95.60	S	91
5834	Millet (*Japanese*, 52265) ..... W. A. Young, Exeter	95.94	98	S	93
5991	Oats (*Elwoods*) ..... Chase Grain Co., Plymouth	S	99	S	98
5929	Oats (*Swedish type*, 73307) ..... R. L. Costello, Portsmouth	S	99	S	96
5843	Oats (*Pennant*) ..... Peter Dana, Franklin	S	90.50	95.5	—
5833	Oats (*Abundant*) ..... Hilliard & Kimball, Exeter	S	98	S	95

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6032	Oats (*Rex*) ..... H. G. Holton Co., Lancaster	S	99	S	97
5720	Oats (*Swedish Select*) ..... Jenness Hardware Co., Dover	S	98	76	90
5961	Oats (*Pennant*) ..... Meredith Grain Co., Meredith	S	99.50	S	99
5756	Oats (*Swedish Select*) ..... J. J. Moreau & Son, Manchester	S	98	S	96
5808	Oats (*Welcome*) ..... F. W. Neal, Dover	S	98	S	93
5809	Oats (*Welcome*) ..... F. W. Neal, Dover	S	98	S	94
6035	Oats (*Swedish type*, 7375) ..... D. A. Noyes & Son, Colebrook	S	98.27	S	94
5954	Oats ..... C. N. Roberts, Meredith	S	98	S	90
5715	Oats (*Swedish type*, 7368) ..... J.H. Seavey, Dover	S	99.07	S	94
5885	Oats (*Abundance*) ..... C. P. Stevens Co., Franklin	S	98	S	94
5779	Oats (*Swedish type*, 73307) ..... John B. Varick Co., Manchester	S	98.50	S	97
5821	Oats (*Abundance*) ..... W. A. Young, Exeter	S	98	S	94
5871	Orchard Grass (3119) ..... Thompson & Hoague, Concord	S	83.70	S	90
5647	Rape (*Dwarf Essex*) ..... Hill Hardware & Paint Co., Nashua	81.78	98	66	94
5823	Rape (*Dwarf Essex*) ..... J. H. Seavey, Dover	S	99.89	90	98
5705	Red Clover (*Crown*) ..... Ayers & Jenkins, Rochester	S	99.35	S	89
5973	Red Clover (*White Mtn. Extra Fancy*) ..... W. B. Brown, Ashland	S	99	S	94
5987	Red Clover (*Liberty*, 3602) ..... A. F. Burtt & Co., Plymouth	S	99	S	92
5739	Red Clover (*Liberty*, 3608) ..... Freeman Corson, Rochester	S	99	S	92
5743	Red Clover (*Paragon*) ..... Freeman Corson, Rochester	S	98.25	S	83
5943	Red Clover (*Pine Tree Mammoth* Native, 235) ..... R. L. Costello, Portsmouth	S	99.25	S	92
5938	Red Clover (*Northern France*) ... R. L. Costello, Portsmouth	S	98	89	99
6048	Red Clover (*Ace, Medium*, 241481) G. B. Currier Co., Colebrook	S	97.10	S	90
6016	Red Clover (*XX, Domestic*) ..... Edson & Kinne, Littleton	S	95	A	90
5763	Red Clover (*Liberty*, 3609) ..... Fosher & Co., Manchester	97.65	99	S	92
5693	Red Clover (*French*) ..... Eugene C. Foss Co., Rochester	S	98.50	S	90
5644	Red Clover (*Pan American*) ..... Hill Hardware & Paint Co., Nashua	95.82	98.50	80	90
5826	Red Clover (*Choice*) ..... Hilliard & Kimball, Exeter	97.55	99.06	S	94

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6025	Red Clover (*Special*) ..... Holbrook Grocery Co., Woodsville	S	95.50	S	90
6114	Red Clover (*XXX, Domestic Medium*, 024408) ..... Holbrook Grocery Co., Keene	A	97	S	91
6053	Red Clover (*Domestic, Pan American*) ..... H. G. Holton Co., Lancaster	S	99.60	S	90
5722	Red Clover (*Medium*, 24363) .... Jenness Hardware Co., Dover	S	99.04	A	88
6059	Red Clover ..... C. C. King Co., Whitefield	S	98.36	S	94
6060	Red Clover ..... C. C. King Co., Whitefield	S	98	S	92
5751	Red Clover (*Medium*, 24489) .... Manchester Hardware Co., Manchester	S	98.75	S	93
5747	Red Clover (*Pine Tree Medium*, 2497) ..... McQuesten & Lewis, Manchester	S	99.44	S	94
5962	Red Clover (*Pan American, Domestic*) ..... Meredith Grain Co., Meredith	S	98.50	S	90
5637	Red Clover (*Medium*) ..... Merrimack Farmers' Exchange, Concord	S	99.02	S	90
5815	Red Clover (*Domestic Medium*, 24467) ..... Merrimack Farmers' Exchange, Exeter	A	99.04	S	93
5818	Red Clover (*Ace Medium*, 2496) .. Merrimack Farmers' Exchange, Exeter	S	99.02	A	90
5769	Red Clover (*Pan American*) .... J. J. Moreau & Son, Manchester	A	92	S	90
5908	Red Clover (*Ace Domestic*, 24469) J. H. Morrill, Laconia	S	97.50	S	90
5978	Red Clover (*Liberty*, 3563) .... Muzzey & Hopkins, Lakeport	S	99.50	S	94
5672	Red Clover (*Pan American*) ..... Nashua Grain Co., Nashua	S	98.50	S	90
5797	Red Clover (*Liberty*, 3602) ..... F. W. Neal, Dover	98.22	99	S	92
5979	Red Clover (*XXX Medium*, 241530) Palmer & Simpson, Laconia	S	97	75	91
5983	Red Clover (*XXX*, 24-155) ..... Palmer & Simpson, Laconia	S	97	75	91
5678	Red Clover (*Choice*) ..... W. F. Peel, Nashua	S	98	S	90
5679	Red Clover (*Pine Tree*) ..... W. F. Peel, Nashua	S	99.06	79	94
5787	Red Clover ..... Pelletier Bros., Farmington	S	99	S	85
5903	Red Clover (*Pine Tree, Imported Medium*) ..... J. P. Pitman & Co., Laconia	S	99	77	90
5892	Red Clover (*Pan American*) .... O. A. Plummer, Tilton	S	98.50	S	90
5781	Red Clover (*Pan American*) ..... Prescott Grain Store, Greenville	S	98.50	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6110	Red Clover (*Pan American*) ..... Rand, Ball & King, Claremont	97.55	99	S	90
5909	Red Clover ..... Rand & Dearborn, Laconia	S	98	S	92
5916	Red Clover ..... Rand & Dearborn, Laconia	S	90	S	90
5971	Red Clover (*Pan American*) .... J. E. Read & Son, Ashland	A	98.50	S	90
5955	Red Clover (*Eureka*) ..... C. N. Roberts, Meredith	S	99.50	74	90
5905	Red Clover (*Ace Medium*, 24157) H. C. Sanborn, Laconia	S	98.04	S	92
5732	Red Clover (*Domestic Medium*, 24488) ..... J. H. Seavey, Dover	S	98.04	S	90
5845	Red Clover (*Ace Medium*) ..... Shepard Grocery Co., Franklin	97.37	98.28	S	92
5999	Red Clover (*Domestic Medium*, 24583) ..... Frank Smith Co., Lancaster	S	99.32	S	93
5728	Red Clover ..... Somersworth Grain Co., Somersworth	S	90.55	68	91
5785	Red Clover (*Choice*) ..... Strafford Co., Grain Mill, Rochester	97.46	98.28	S	92
5873	Red Clover (2496) ..... Thompson & Hoague, Concord	S	99.02	S	90
6069	Red Clover ..... A. J. Turcotte, Newmarket	S	98	72	90
5662	Red Clover (*Ace Medium*, 24157) John B. Varick Co., Manchester	A	98	S	92
5663	Red Clover (*Pine Tree, Mammoth Native*) ..... John B. Varick Co., Manchester	A	98.25	S	92
5664	Red Clover (*Pine Tree, Native*) John B. Varick Co., Manchester	S	99.54	S	94
5959	Red Clover (*Ace Medium*, 24157) Weeks & Smith, Meredith	S	98.04	S	92
5819	Red Clover (*Pan American*)..... W. A. Young, Exeter	S	98.50	S	90
5840	Red Clover (*Ace Medium*, 2461) W. A. Young, Exeter	S	98.28	S	96
5698	Red Top (*Fancy A*) ..... Ayers & Jenkins, Rochester	S	85	S	90
5972	Red Top (*White Mtn. Extra Fancy*) W. B. Brown, Ashland	S	95	S	90
5736	Red Top (*Fancy*, 1351) ..... Freeman Corson, Rochester	S	92.88	S	90.75
5742	Red Top (*Imperial*) ..... Freeman Corson, Rochester	S	95	S	82
5936	Red Top (*Pine Tree Fancy*, 30159) R. L. Costello, Portsmouth	S	93	S	89
5701	Red Top (*Pan American*) ..... Eugene C. Foss Co., Rochester	A	92	S	90
5643	Red Top (*Pan American*) ..... Hill Hardware & Paint Co., Nashua	S	92	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5648	Red Top (*Fancy*, 1291) ..... Hill Hardware & Paint Co., Nashua	S	92	S	90
5831	Red Top (No. 1) ..... Hilliard & Kimball, Exeter	S	90	S	90
5718	Red Top (*Ace*, 30111) ..... Jenness Hardware Co., Dover	S	92.1	S	90
5794	Red Top (*Pan American*) ..... J. Jones & Son, Alton	S	92	S	90
5951	Red Top (No. 1) ..... J. A. Lane Co., Hampton	S	90	73	90
5765	Red Top (*Ace*, 31313) ..... Manchester Hardware Co., Manchester	S	90.6	S	90
5746	Red Top (*Fancy*, 30236) ..... McQuesten & Lewis, Manchester	S	93	S	93
5817	Red Top (*Ace*, 30306) ..... Merrimack Farmers' Exchange, Exeter	S	90	S	93
5897	Red Top (*Ace Fancy*, 30320).... J. H. Morrill, Laconia	S	90	S	90
5770	Red Top (*Pan American*) ..... J. J. Moreau & Son, Manchester	S	92	S	90
5674	Red Top (*Pan American*) ..... Nashua Grain Co., Nashua	A	92	S	90
5804	Red Top (*Fancy*, 193) ..... F. W. Neal, Dover	S	92.24	S	90
5677	Red Top (*Fancy*, No. 1) ..... W. F. Peel, Nashua	S	90	79.8	90
5893	Red Top (*Pan American*) ..... O. A. Plummer, Tilton	83.59	92	S	90
5911	Red Top (193) ..... Rand & Dearborn, Laconia	S	92.20	S	90
5904	Red Top (030209) ..... Read Esty Co., Laconia	S	90.70	S	90
5957	Red Top (*Eureka*) ..... C. N. Roberts, Meredith	90.01	95	66	90
5923	Red Top (*Fancy*) ..... S. A. Schurman & Son, Portsmouth	S	90	S	90
5731	Red Top (*Ace*, 30214) ..... J. H. Seavey, Dover	S	92.90	S	93
5844	Red Top (No. 1) ..... Shepard Grocery Co., Franklin	S	90	S	90
5792	Red Top (*Ace Fancy*, 30208) ... Smith & Emerson, Farmington	S	90	S	90
5725	Red Top (*Ace*) ..... Somersworth Grain Co., Somersworth	S	90	S	90
5889	Red Top ..... C. P. Stevens Co., Franklin	S	90.70	S	91
5796	Red Top (*Gem*, 30140) ..... Strafford County Grain Mill, Rochester	S	90	S	90
5657	Red Top (*Ace Fancy*, 30158) .... John B. Varick Co., Manchester	A	90	S	88
5667	Red Top (*Ace Fancy*, 30461) .... John B. Varick Co., Manchester	S	90	S	90
5841	Red Top ..... W. A. Young, Exeter	S	90	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5876	Rutabaga (*Imp. Purple Top*) .... Thompson & Hoague, Concord	—	—	S	90
5774	Rutabaga (*St. Andrews*) ..... John B. Varick Co., Manchester	S	96	S	96
5778	Rutabaga (*American Purple Top*) John B. Varick Co., Manchester	S	98	S	96
6063	Rye (Winter) ..... F. P. Brown, Whitefield	S	98	61	95
5941	Rye (64002) ..... R. L. Costello, Portsmouth	S	98	81	94
5947	Rye (*Winter, Choice Rosen*) .... S. A. Schurman & Son, Portsmouth	S	98	66	95
5850	Rye (*Winter*) ..... Shepard Grocery Co., Franklin	S	99	25	94
5884	Rye (*Winter*) ..... Shepard Grocery Co., Franklin	S	98	28	75
6002	Rye (*Winter, Fancy Rosen*) ..... Frank Smith Co., Lancaster	94.80	98	S	90
5780	Rye (*Spring*, 74304) ..... John B. Varick Co., Manchester	S	99	S	90
5748	Soy Beans (*Manchu Pine Tree*, 084517) ..... McQuesten & Lewis, Manchester	S	99.50	S	97
5656	Sweet Clover (*Pine Tree, White Blossom*) ..... John B. Varick Co., Manchester	S	99.30	A	89
5649	Sudan Grass ..... Hill Hardware & Paint Co., Nashua	94.38	98	79	90
5706	Timothy (*King*) ..... Ayers & Jenkins, Rochester	S	99.60	S	91
5846	Timothy (*Prime*) ..... A. H. Britton & Co., Concord	S	98.70	S	96
6062	Timothy (*Pine Tree*, 65265) .... F. P. Brown, Whitefield	S	99.65	S	95
5974	Timothy (*Extra Fancy, White Mt.*) W. B. Brown, Ashland	S	99.65	S	95
5995	Timothy (*Liberty*, 1402) ..... A. F. Burtt & Co., Plymouth	S	99.70	S	92.25
5989	Timothy (*Rex*) ..... Chase Grain Co., Plymouth	97.02	98	S	93
5994	Timothy (*Pan American*) ..... Chase Grain Co., Plymouth	S	99.60	A	90
5738	Timothy (*Liberty*, 1383) ..... Freeman Corson, Rochester	S	99.70	S	94
5741	Timothy (*King*) ..... Freeman Corson, Rochester	S	99.60	S	91
5944	Timothy (*Pine Tree*, 64710) .... R. L. Costello, Portsmouth	S	99.55	S	94
5946	Timothy (*Pan American*) ..... S. A. Dow & Son, North Hampton	S	99.60	A	90
6015	Timothy (*Pine Tree*, 65199) ..... Edson & Kinne, Littleton	S	99.50	S	95
6017	Timothy (*XX*, 62322) ..... Edson & Kinne, Littleton	S	98	S	90
6108	Timothy (*Pine Tree*, 64109) .... W. D. Fogg, Hancock	S	99.60	S	94

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5760	Timothy (*Sark*, 1479) ..... Fosher & Co., Manchester	S	99	S	93.75
5689	Timothy (*Pan American*) ..... Eugene C. Foss Co., Rochester	S	99.60	S	90
6071	Timothy (*Pine Tree*, 63849) ..... J. H. Griffin, Newmarket	S	99.65	S	94
6072	Timothy (*Pan American*) ..... J. H. Griffin, Newmarket	S	99.50	S	90
6094	Timothy (*Extra Fancy White Mt.*) C. W. Hildreth & Son, Lebanon	S	99.65	S	95
6096	Timothy (*Pan American*) ..... C. W. Hildreth & Son, Lebanon	S	99.60	S	90
5650	Timothy (*Liberty*, 1244) ..... Hill Hardware & Paint Co., Nashua	S	99.60	S	92
5651	Timothy (*Pan American*) ..... Hill Hardware & Paint Co., Nashua	S	99.60	A	90
5829	Timothy (*Bay State*) ..... Hilliard & Kimball, Exeter	S	99.65	S	95
6023	Timothy (*Special*, 65227) Holbrook Grocery Co., Woodsville	S	97	S	90
5717	Timothy (*Pine Tree*, 64100) ..... Jenness Hardware Co., Dover	S	99.65	S	95
5849	Timothy (*Pine Tree*, 64710) ..... Keegan & French, Franklin	S	99.60	S	94
5950	Timothy ..... J. A. Lane Co., Hampton	S	99.65	S	94
5767	Timothy (*Pine Tree*, 65136) ..... Manchester Hardware Co., Manchester	S	99.60	S	95
5744	Timothy (*Pine Tree*, 64712) ..... McQuesten & Lewis, Manchester	S	99.60	S	95
5966	Timothy (*Pan American*) ..... Meredith Grain Co., Meredith	S	99.60	S	90
5635	Timothy (*Pine Tree*, 64683) .... Merrimack Farmers' Exchange, Concord	S	99.60	S	95
5824	Timothy (*Pine Tree*, 64683) .... Merrimack Farmers' Exchange, Exeter	S	99.60	S	95
5867	Timothy (*Pine Tree*, 65089) ..... Merrimack Farmers' Exchange, Concord	S	99.65	S	94
5755	Timothy (*Pan American*) ..... J. J. Moreau & Son, Manchester	S	99.60	S	90
5895	Timothy (*Pine Tree*, 62826) ..... J. H. Morrill, Laconia	S	99.65	S	94
5896	Timothy (*Pine Tree*, 65221) .... J. H. Morrill, Laconia	S	99.60	S	94
5976	Timothy (*Liberty*) ..... Muzzey & Hopkins, Lakeport	98.75	99.60	S	95.80
5675	Timothy (*Pan American*) ..... Nashua Grain Co., Nashua	S	99.60	S	90
5798	Timothy (*Liberty*, 1402) ..... F. W. Neal, Dover	S	99.70	S	92.25
5812	Timothy (*Pan American*) ..... F. W. Neal, Dover	S	99.60	S	90
6107	Timothy (*Pan American*) ..... Nelson Warner Co., Charlestown	S	99.50	S	90

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
6036	Timothy (*Pine Tree*, 65266) ..... D. A. Noyes & Son, Colebrook	S	99.65	S	96
6045	Timothy (*Pine Tree*, 65301) .... D. A. Noyes & Son, Colebrook	S	99.65	S	94
5980	Timothy & Alsike Mixture (63827) Palmer & Simpson, Laconia	Timo. S Alsike S	77 15	S S	93 90
5982	Timothy (*Pine Tree*, 65221) ..... Palmer & Simpson, Laconia	S	99.60	S	94
5676	Timothy (*Bay State*) ..... W. F. Peel, Nashua	S	99.65	S	95
5791	Timothy (63919) ..... Pelletier Bros., Farmington	S	98.30	S	90
5921	Timothy (*Pine Tree*, 64458) .... Philbrook Grain Co., Portsmouth	S	99.60	S	94
5860	Timothy (*Liberty*, 3452) ..... O. A. Plummer, Tilton	S	99.60	S	97.50
5861	Timothy (*Pan American*) ..... O. A. Plummer, Tilton	98.76	99.60	S	90
5783	Timothy (*Pan American*) ..... Prescott Grain Store, Greenville	S	99.60	S	90
5914	Timothy (*Liberty*, 1402) ..... Rand & Dearborn, Laconia	S	99.70	S	92.25
5953	Timothy (*Gold Medal*) ..... C. N. Roberts, Meredith	S	99.75	75	94
6037	Timothy (*Pine Tree*, 63847) .... E. F. Royal, Colebrook	S	99.60	S	95
5907	Timothy (*Pine Tree*, 64109) .... H. C. Sanborn, Laconia	S	99.60	S	94
5934	Timothy (*Pan American*) ..... S. A. Schurman & Son, Portsmouth	S	99.60	S	90
5940	Timothy (*Herald*) ..... S. A. Schurman & Son, Portsmouth	96.74	98	S	90
5851	Timothy (*Prime*) ..... Shepard Grocery Co., Franklin	S	98.70	S	94
6001	Timothy (*Pine Tree*, 65247) .... Frank Smith Co., Lancaster	S	99.65	S	95
6005	Timothy (*Pine Tree*, 65220) .... Frank Smith Co., Colebrook	S	99.65	S	95
5723	Timothy (63035) ..... Somersworth Grain Co. Somersworth	S	98.10	S	92
5724	Timothy (*Bison*, 63476) ..... Somersworth Grain Co., Somersworth	S	98	S	90
5726	Timothy (*Liberty*, 680) ..... Somersworth Grain Co., Somersworth	S	99.60	S	93
5852	Timothy (*Liberty*, 3437) ..... C. P. Stevens Co., Franklin	S	99.60	S	92.75
5888	Timothy (*Pine Tree*, 66-59) .... C. P. Stevens Co., Franklin	S	99.60	S	94
5795	Timothy (*Bay State*, 64212) Strafford County Grain Mill, Rochester	S	99.65	S	94
5879	Timothy (*Pine Tree*, 65102) .... Thompson & Hoague, Concord	S	99.65	S	95

A=Above. S=Satisfactory.

SEED EXAMINATION, 1926—*Continued.*

Sample No.	Kind of Seed, Brand, Name and Address of Dealer	Purity		Germination	
		F'nd	Guaranteed	F'nd	Guaranteed
5652	Timothy (*Durham*, 64740) ..... John B. Varick Co., Manchester	S	99.60	S	94
5653	Timothy (*Jersey*, 64073) ..... John B. Varick Co., Manchester	S	98	S	92
5668	Timothy (*Pine Tree*, 64710) ..... John B. Varick Co., Manchester	S	99.60	S	94
5669	Timothy (*Pine Tree*, 64109) ..... John B. Varick Co., Manchester	S	99.60	S	94
5958	Timothy (*Pine Tree*, 64109) ..... Weeks & Smith, Meredith	S	99.60	S	94
5835	Timothy (*Pine Tree*, 64445) .... W. A. Young, Exeter	S	99.65	S	94
5837	Timothy (*Pine Tree*, 36877) .... W. A. Young, Exeter	S	99.60	S	94
5839	Timothy (*Pine Tree*, 63847) .... W. A. Young, Exeter	S	99.60	S	95
5645	Vetch (*Winter*) ..... John B. Varick Co., Manchester	A	98.43	S	97
5768	Vetch (*Spring*) ..... J. J. Moreau & Son, Manchester	S	98	A	84
5697	Wheat ..... E. C. Foss Co., Rochester	S	99	A	90
5721	Wheat (*Marquis Spring*) ..... Jenness Hardware Co., Dover	S	98	S	90
5864	Wheat (*Spring*) ..... Shepard Grocery Co., Franklin	S	99.50	S	95
5883	Wheat (*Spring*) ..... C. P. Stevens Co., Franklin	S	99	S	95
5875	White Clover ..... A. H. Britton & Co., Concord	97.55	99.10	S	90
5932	White Clover (*Fancy*, 26108) .... R. L. Costello, Portsmouth	S	97.70	S	94
5703	White Clover (*Choice*) ..... Eugene C. Foss., Rochester	S	93	S	90
5828	White Clover ..... Hilliard & Kimball, Exeter	95.94	98.10	S	96
5713	White Clover ..... Jenness Hardware Co., Dover	84.77	93	29	80
5752	White Clover (26183) ..... Manchester Hardware Co., Manchester	S	94.35	S	96
6004	White Clover (26183) ..... Frank Smith Co., Lancaster	S	94.35	S	96
5880	White Clover (26181) ..... Thompson & Hoague, Concord	S	97	S	95

A=Above. S=Satisfactory.

SUMMARY TABLE

Showing General Results of Seed Inspection Work for the year ending June 30, 1926

Kind of Seed	Number of Samples	Purity Compared to Guarantee			No Guarantee	Germination Compared to Guarantee			No Guarantee
		Above	Satisfactory	Below		Above	Satisfactory	Below	
Alfalfa	13	2	11	0		2	10	0	1
Alsike Clover	25	3	19	3		4	20	1	
Barley	20	1	19	0		1	17	2	
Bluegrass	4	0	3	1		0	3	1	
Buckwheat	5	0	5	0		0	4	1	
Canada Field Peas	11	0	11	0		3	8	0	
Corn	22	0	18	0	4	3	15	4	
Mangles	3	0	1	0	2	0	3	0	
Millet	54	4	39	11		1	40	13	
Oats	16	0	16	0		0	14	1	1
Orchard Grass	1	0	1	0		0	1	0	
Rape	2	0	1	1		0	0	2	
Red Clover	57	6	44	7		3	45	9	
Red Top	34	3	29	2		0	31	3	
Rutabaga	3	0	2	0	1	0	3	0	
Rye	7	0	6	1		0	2	5	
Soy Beans	1	0	1	0		0	1	0	
Sweet Clover	1	0	1	0		1	0	0	
Sudan Grass	1	0	0	1		0	0	1	
Timothy	75	0	71	4		3	71	1	
Vetch	2	1	1	0		1	1	0	
Wheat	4	0	4	0		1	3	0	
White Clover	8	0	5	3		0	7	1	
	369	20	308	34	7	23	299	45	2